

**The Appendix is an integral part of  
Certificate of Accreditation No. 347/2023 of 27/06/2023**

**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**Prysmian Kably, s.r.o.**  
CAB number 1773, Testing Laboratory  
Třebíčská 777/99, 594 01 Velké Meziříčí

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1	Cable diameter test	ISO 19642-2, cl. 5.1.2 ISO 6722-1:2011, cl. 5.1 ISO 14572:2011, cl. 5.1 FORD ES-AU5T-1A348-AA, cl. 3.5 STD 525-0001:2017, cl. 5.1 STD 525-0004:2017, cl. 5.1 MS.90034/2:2019, cl. 8.2.1.1 ČSN EN 60811-203	Conductors and cables
2	Thickness test of insulations and sheaths	ISO 19642-2, cl. 5.1.3 ISO 6722-1:2011, cl. 5.2 ISO 14572:2011, cl. 5.3 FORD ES-AU5T-1A348-AA, cl. 3.9 STD 525-0001:2017, cl. 5.2 STD 525-0004:2017, cl. 5.2 MS.90034/2:2019, cl. 8.2.1.2 ČSN EN 60811-201 ČSN EN 60811-202	Conductors and cables
3	Conductor diameter test	ISO 19642-2, cl. 5.1.4 ISO 6722-1:2011, cl. 5.3 STD 525-0001:2017, cl. 5.3 MS.90034/2:2019, cl. 8.2.1.3	Conductors and cables
4	Conductor cross-sectional area (CSA) test	ISO 19642-2:2019, cl. 5.1.5, method 2 FORD ES-AU5T-1A348-AA, cl. 3.7.1 MS.90034/2:2019, cl. 8.2.1.4	Conductors and cables
5	Conductor effective resistance test	ISO 19642-2, cl. 5.2.1 ISO 6722-1:2011, cl. 5.4 FORD ES-AU5T-1A348-AA, cl. 3.10.1 STD 525-0001:2017, cl. 5.4 STD 525-0004:2017, cl. 6.1 MS.90034/2:2019, cl. 8.2.2.1 ČSN EN 60228 Annex 1	Conductors and cables

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
6	HV test	ISO 19642-2, cl. 5.2.3 ISO 6722-1:2011, cl. 5.5 ISO 14572:2011, cl. 5.5 FORD ES-AU5T-1A348-AA, cl. 3.10.2 MS.90034/2:2019, cl. 8.2.2.2 STD 525-0001:2017, cl. 5.5 STD 525-0004:2017, cl. 6.2	Conductors and cables
7	HV test after environmental tests	ISO 19642-2, cl. 5.2.4 FORD ES-AU5T-1A348-AA, cl. 3.10.2.2 STD 525-0004:2017, cl. 6.2 STD 525-0001:2017, cl. 5.5.1.1 MS.90034/2:2019, cl. 8.2.2.3	Conductors and cables
8	Insulation volume resistivity test	ISO 19642-2, cl. 5.2.6 ISO 6722-1:2011, cl. 5.7 FORD ES-AU5T-1A348-AA, cl. 5.10.4 STD 525-0001:2017, cl. 5.7 STD 525-0004:2017, cl. 6.4 MS.90034/2:2019, cl. 8.2.2.5	Conductors and cables
9	Insulation and sheath strip force test	ISO 19642-2, cl. 5.3.1 ISO 6722-1:2011, cl. 5.9 ISO 14572:2011, cl. 5.8 STD 525-0001:2017, cl. 5.9 STD 525-0004:2017, cl. 7.2 MS.90034/2:2019, cl. 8.2.3.2	Conductors and cables
10	Abrasion resistance test	ISO 19642-2, cl. 5.3.2.4, cl. 5.3.2.5 ISO 6722-1:2011, cl. 5.12 ISO 14572:2011, cl. 5.12 FORD ES-AU5T-1A348-AA, cl. 3.11.4 STD 525-0001:2017, cl. 5.12 STD 525-0004:2017, cl. 7.5 MS.90034/2:2019, cl. 8.2.3.3	Conductors and cables
11	Finished cable breaking force test	ISO 19642-2, cl. 5.3.3 STD 525-0001:2017, cl. 5.24 MS.90034/2:2019, cl. 8.2.3.4	Conductors and cables

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
12	Cable flexibility test	ISO 19642-2:2019, cl. 5.3.5 FORD ES-AU5T-1A348-AA, cl. 3.16 STD 525-0001:2017, cl. 5.30 STD 525-0004:2017, cl. 7.18 MS.90034/2:2019, cl. 8.2.3.6	Conductors and cables
13	Test of long term heat ageing, 3000 h	ISO 19642-2, cl. 5.4.2 ISO 6722-1:2011, cl. 5.13 ISO 14572:2011, cl. 5.13 FORD ES-AU5T-1A348-AA, cl. 3.11.6 STD 525-0001:2017, cl. 5.13 STD 525-0004:2017, cl. 7.6 MS.90034/2:2019, cl. 8.3.4.2	Conductors and cables
14	Test of short term heat ageing, 240 h	ISO 19642-2, cl. 5.4.3 ISO 6722-1:2011, cl. 5.14 ISO 14572:2011, cl. 5.14 FORD ES-AU5T-1A348-AA, cl. 3.11.5 STD 525-0001:2017, cl. 5.14 STD 525-0004:2017, cl. 7.7 MS.90034/2:2019, cl. 8.3.4.3	Conductors and cables
15	Thermal overload test	ISO 19642-2, cl. 5.4.4 ISO 6722-1:2011, cl. 5.15 ISO 14572:2011, cl. 5.15 FORD ES-AU5T-1A348-AA, cl. 3.11.7 STD 525-0001:2017, cl. 5.15 STD 525-0004:2017, cl. 7.8 MS.90034/2:2019, cl. 8.3.4.4	Conductors and cables
16	Pressure test at high temperature	ISO 19642-2, cl. 5.4.5 ISO 6722-1:2011, cl. 5.8 ISO 14572:2011, cl. 5.7 FORD ES-AU5T-1A348-AA, cl. 3.11.1 STD 525-0001:2017, cl. 5.8 STD 525-0004:2017, cl. 7.1 MS.90034/2:2019, cl. 8.3.4.5 ČSN EN 60811-508	Conductors and cables

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
17	Test of shrinkage by heat	ISO 19642-2, cl. 5.4.6 ISO 6722-1:2011, cl. 5.16 ISO 14572:2011, cl. 5.16 FORD ES-AU5T-1A348-AA, cl. 3.11.8 STD 525-0001:2017, cl. 5.16 STD 525-0004:2017, cl. 7.9 MS.90034/2:2019, cl. 8.3.4.6 ČSN EN 60811-502 ČSN EN 60811-503	Conductors and cables
18	Low temperature winding test	ISO 19642-2, cl. 5.4.7, cl. 5.4.1.4, cl. 5.4.1.5, cl. 6.4.1.4, cl. 6.4.1.5 ISO 6722-1:2011, cl. 5.10 ISO 14572:2011, cl. 5.10 FORD ES-AU5T-1A348-AA, cl. 3.11.2 STD 525-0001:2017, cl. 5.10 STD 525-0004:2017, cl. 7.3 MS.90034/2:2019, cl. 8.3.4.7	Conductors and cables
19	Cold impact test	ISO 19642-2, cl. 5.4.8 ISO 6722-1:2011, cl. 5.11 ISO 14572:2011, cl. 5.11 FORD ES-AU5T-1A348-AA, cl. 3.11.3 STD 525-0001: 2017, cl. 5.11 STD 525-0004:2017, cl. 7.4 MS.90034/2:2019, cl. 8.3.4.8 ČSN EN 60811-506	Conductors and cables
20	Temperature and humidity cycling test	ISO 19642-2, cl. 5.4.9 ISO 6722-1:2011, cl. 5.21 ISO 14572:2011, cl. 5.20 FORD ES-AU5T-1A348-AA, cl. 3.13 STD 525-0001:2017, cl. 5.21 STD 525-0004:2017, cl. 7.15 MS.90034/2:2019, cl. 8.3.4.9	Conductors and cables

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
21	Test of resistance to hot water	ISO 19642-2, cl. 5.4.10 ISO 6722-1:2011, cl. 5.20 FORD ES-AU5T-1A348-AA, cl. 3.11.11 STD 525-0001:2017, cl. 5.20 STD 525-0004:2017, cl. 7.14 MS.90034/2:2019, cl. 8.2.4.10	Conductors and cables
22	Test of resistance to liquid chemicals	ISO 19642-2, cl. 5.4.11 ISO 6722-1:2011, cl. 5.17 method 1, method 2 ISO 14572:2011, cl. 5.17 FORD ES-AU5T-1A348-AA, cl. 3.12 STD 525-0001:2017, cl. 5.17 STD 525-0004:2017, cl. 7.10 MS.90034/2:2019, cl. 8.2.4.11	Conductors and cables
23	Test of durability of cable marking	ISO 19642-2, cl. 5.4.12 ISO 6722-1:2011, cl. 5.18 FORD ES-AU5T-1A348-AA, cl. 3.15 STD 525-0001:2017, cl. 5.18 STD 525-0004:2017, cl. 7.12 MS.90034/2:2019, cl. 8.2.4.12	Conductors and cables
24	Test of stress cracking resistance	ISO 19642-2, cl. 5.4.13 MS.90034/2:2019, cl. 8.2.4.13	Conductors and cables
25	Ozone resistance test	ISO 19642-2:2019, cl. 5.4.14 ISO 6722-1:2011, cl. 5.19 ISO 14572:2011, cl. 5.19 FORD ES-AU5T-1A348-AA, cl. 3.14 STD 525-0001:2017, cl. 5.19 STD 525-0004:2017, cl. 7.13 MS.90034/2:2019, cl. 8.2.4.14	Conductors and cables
26	Test of resistance to flame propagation	ISO 19642-2, cl. 5.4.15 ISO 6722-1:2011, cl. 5.22 ISO 14572:2011, cl. 5.21 FORD ES-AU5T-1A348-AA, cl. 3.11.9 STD 525-0001:2017, cl. 5.22	Conductors and cables

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		STD 525-0004:2017, cl. 7.16 MS.90034/2:2019, cl. 8.2.4.15	
27	Sheath ovality test	ISO 19642-2, cl. 6.1.2 ISO 14572:2011, cl. 5.2 MS.90034/2:2019, cl. 8.3.1.2	Conductors and cables
28	Test of durability of sheath marking	ISO 19642-2, cl. 5.4.12 ISO 14572:2011, cl. 5.18 MS.90034/2:2019, cl. 8.2.4.12	Conductors and cables
29	Electrical continuity test	ISO 19642-2, cl. 6.2.1 ISO 14572:2011, cl. 5.4 MS.90034/2:2019, cl. 8.3.2.1	Conductors and cables
30	Column strength test	FORD ES-AU5T-1A348-AA, cl. 3.11.10 STD 525-0001:2017, cl. 5.27 MS.90034/2:2019, cl. 8.2.3.1	Conductors and cables
31	Test for the determination of density	STD 525-0001:2017, cl. 5.32.1 ČSN EN 60811-606 EN ISO 1183-1, method A	Conductors and cables
32	Thermal stability test for PVC	STD 525-0001:2017, cl. 5.32.5 ČSN EN 60811-405	Conductors and cables
33	Battery acid resistance test	STD 525-0004:2017, cl. 7.11	Conductors and cables
34	Test of thermal stability in bent condition	MS.90034/2:2019, cl. 8.2.4.16	Conductors and cables
35	Hot set test (HST)	ČSN EN 60811-507	Conductors and cables
36	Two pulley flexing test	ČSN EN 50396, cl. 6.2	Conductors and cables
37	Tests for determining the mechanical properties of insulating and sheathing compounds	ČSN EN 60811-501	Conductors and cables
38	Test of loss of mass of thermoplastic insulating and sheathing compounds	ČSN EN 60811-409	Conductors and cables
39	Test of elongation at low temperature	ČSN EN 60811-505	Conductors and cables

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
40	Voltage test of the whole cable	ČSN EN 50395, cl. 6	Conductors and cables
41	Voltage tests of cores in water	ČSN EN 50395, cl. 7	Conductors and cables
42	Test of insulation resistance	ČSN EN 50395, cl. 8	Conductors and cables
43	Thermal ageing tests	ČSN EN 60811-401	Conductors and cables
44	Test of the resistance of sheath insulation to cracking	ČSN EN 60811-509	Conductors and cables
45	Test for vertical flame propagation	ČSN EN 60332-1-2	Conductors and cables
46	Test of long-term insulation resistance to DC current	ČSN EN 50395, cl. 9	Conductors and cables

<sup>1</sup> Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> If the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Explanatory notes:

FORD ES-AU5T-1A348-AA – FORD automotive standard

STD 525-0001 – Volvo automotive standard

STD 525-0004 – Volvo automotive standard

MS.90034/2 – Fiat Chrysler automotive standard

HV – High Voltage

CSA – Cross Section Area

PVC – Polyvinylchloride